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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/582,144	06/07/2006	Shigeyuki Takahashi	1912.75301	8830
24978 GREER, BURN	7590 06/09/200 NS & CRAIN	EXAMINER		
300 S WACKE		MANCUSO, HUEDUNG XUAN CAO		
25TH FLOOR CHICAGO, IL 60606			ART UNIT	PAPER NUMBER
			2821	
			MAIL DATE	DELIVERY MODE
			06/09/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/582,144	TAKAHASHI, SHIGEYUKI				
Office Action Summary	Examiner	Art Unit				
	Huedung Cao Mancuso	2821				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 66(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 13 Ma	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4) Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-14 is/are rejected. 7) Claim(s) 15-24 is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examines 10) The drawing(s) filed on 07 June 2006 is/are: a) Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction.	r election requirement. r. ⊠ accepted or b)⊡ objected to drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 6/7/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-14 are rejected under 35 U.S.C. 102(e) as being anticipated by Ihara (US 2005/0146472).

As to claim 1, Ihara (figure 1) teaches an antenna structure 2 capable of receiving an external radio signal, said antenna structure comprising a magnetic path 21 that enables reception of magnetic flux 7 caused by an external radio signal, but makes it difficult for magnetic flux generated by resonance to leak to said outside of said antenna structure, said magnetic path being formed minimally by an antenna part, which is formed by at least one antenna core 9 part and a coil part 21 formed by winding of a conductive wire around said antenna core part, and a cover part disposed in a vicinity of said antenna part and covering at least a part of said antenna part, said antenna core part and cover part 3 being made of a soft magnetic material, and also said cover part being joined to said antenna part at both ends of said antenna core part of said antenna part see Ihara (figure 1, and paragraphs [0097-0098, 0187]).

As to claims 2-10, 12-14, wherein said cover part has a function of passing magnetic flux generated by resonance, wherein said cover part is connected via a joining part to said antenna

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core part of said antenna part, wherein a part of said substantially closed magnetic path formed by said antenna core part and said cover part of said antenna structure includes a part having a permeability that is different from said permeability of other parts, wherein said cover part covers said entire periphery of said antenna part, wherein said cover part is formed by a member having a thickness that is thinner than said maximum length of a cross-section of said center part of said antenna core part of said antenna part, wherein said cover part has an overall crosssectional shape that is a one configuration selected from a group consisting L-shaped, channelshaped (U-shaped), bent shaped, curved shaped, rounded shaped and a closed polygonal shaped configurations or a combination thereof, made from a plate like member or a plurality of said plate like members being integrally assembled to each other, wherein said length of said cover part in said longitudinal direction is longer than said length of said coil of said antenna part, wherein said angle of intersection formed by two straight lines joining said center of said antenna core part of said antenna part and two ends in said cross-section intersecting with said longitudinal direction of said cover part is at least 90°, wherein said cover part is made of either one of a ferrite-based soft magnetic material, a soft magnetic material in which a fine soft magnetic powder of cobalt or cobalt alloy is blended into a resin, or a compound soft magnetic material formed by said lamination of cobalt or cobalt alloy thin films see Ihara (figures 1, and 2, and paragraphs [0100-0103, and 0140]). It

As to claims 11, wherein said antenna core part is made of either one of ferrite-based soft magnetic material and a soft magnetic material in which a fine soft magnetic powder of cobalt or cobalt alloy is blended into a resin see Ihara (paragraph [0187]).

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Allowable Subject Matter

3. Claims 15-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: the Prior art does not explicitly disclose that the support part is a step part formed on a pair of mutually opposing surfaces of both end parts of said antenna core part; a magnetic gap of said joining part is either formed via a spacer, adhesive or said like, or formed as an air gap; contacting surface area of said antenna core part in said antenna part to said cover part is larger than said cross-sectional surface area of said cover part; a collector part that additionally collects magnetic flux of an external radio signal is formed of a soft magnetic material provided on both of said end parts of said antenna core part in said longitudinal direction in said antenna part; collector part is integrally formed as one body with said antenna core part on an outer wall part of both end portion of said antenna core part.

Inquiries

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huedung Mancuso whose telephone number is (571) 272-1939.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Owens, can be reached on (571) 272-1662. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Huedung Cao Mancuso/

Primary Examiner, Art Unit 2821